

Risk Assessment of Low-Level Phased Array Radio Frequency Energy **Purpose**

- ☐ Introduction of Issue
- ☐ Present USAF questions to the AFEB
- ☐ Provide background on issues and concerns

Risk Assessment of Low-Level Phased Array Radio Frequency Energy **Issue**

Does exposure to very low level ambient radio frequency energy from PAVE PAWS radar facility contribute to elevated incidence/ prevalence of adverse health outcome greater than would be expected?

Risk Assessment of Low-Level Phased Array Radio Frequency Energy **Questions**

- A. Are current exposure standards adequate
- B. Are the AF documents related to proposed risk evaluation adequate
- C. Is there an indication for immediate initiation of further epidemiological investigations for DoD members or communities

Background

- # 19020erns

Epidemiological Board Bruce Ruscio, Lt Col,

4

Risk Assessment of Low-Level Phased Array Radio Frequency Energy **Three Proposed Approach**

- National Research Council
 - Assess appropriateness of using continuous or pulsed wave biological data to assess effect of phased array
 - Update 1979 NRC effort
- Waveform Characterization
 - Attempt to characterize PAVE PAWS radar wave energy to new specifications
- Pave Paws Public Health Steering Group
 - Using RFE exposure standards, evaluate biologically plausible disease outcomes to PAVE PAWS exposure

Risk Assessment of Low-Level Phased Array Radio Frequency Energy

The Air Force-Community Partnership

- PAVE PAWS Public Health Steering Group
 - Local, county and state public health professional
 - Public meetings
 - Oversees and participates in efforts to addressing this health issue
- Addressing communities public health concerns about PAVE PAWS
 - Using health and safety RFE exposure standards, evaluate biologically plausible disease outcomes to exposure to PAVE PAWS energy
 - “Exposure” assessment
 - Epidemiological evaluation